

WHAT IS CLAIMED IS:

1. A sealed relay for alternating current load, which controls a resistance load comprising an alternating voltage of 80 V to 300 V and a rated current of 5 to 25 A by an Ag-based contact element disposed in a closed space,
5 wherein the Ag-based contact element comprises 4.0 to 20.0 wt. % of an iron oxide and Ag as the balance.
2. A method of increasing an endurance life of a sealed relay for alternating current load, which controls a resistance load comprising an alternating voltage of 80 V to 300 V and a rated current of 5 to 25 A,
10 wherein an Ag-based contact element comprising 4.0 to 20.0 wt. % of an iron oxide and Ag as the balance is disposed in a closed space to control said resistance load.
- 15 3. An Ag-based contact element material used in a sealed relay for alternating current load, which controls a resistance load comprising an alternating voltage of 80 V to 300 V and a rated current of 5 to 25 A by an Ag-based contact element disposed in a closed space,
wherein the Ag-based contact element material contains 4.0 to 20.0
20 wt. % of an iron oxide, 0.1 to 2.5 wt. % of oxides of one or more selected from the group consisting of magnesium, aluminum, indium, lanthanum, cerium and samarium, and Ag as the balance.
- 25 4. A sealed relay for alternating current load, which controls a resistance load comprising an alternating voltage of 80 V to 300 V and a rated current of 5 to 25 A by an Ag-based contact element disposed in a closed space,
wherein the Ag-based contact element comprises the Ag-based contact element material according to claim 3.

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5. A method of increasing an endurance life of a sealed relay for alternating current load, which controls a resistance load comprising an alternating voltage of 80 V to 300 V and a rated current of 5 to 25 A,
5 wherein an Ag-based contact element comprising the Ag-based contact element material according to claim 3 is disposed in a closed space to control said resistance load.